

Title (en)
WHITE INKS

Title (de)
WEISSE TINTEN

Title (fr)
ENCREES BLANCHES

Publication
EP 3265522 A4 20180124 (EN)

Application
EP 15899068 A 20150720

Priority
US 2015041176 W 20150720

Abstract (en)
[origin: WO2017014746A1] The present disclosure provides an example where a white ink can include an aqueous ink vehicle and from 5 wt% to 60 wt% of a white flocculated colorant mass. The white flocculated colorant mass can include white metal oxide pigment, an alumina coating, and polymeric dispersant associated with a surface of the alumina-coated pigment. The white metal oxide pigment can have an average particulate size from 100 nm to 2,000 nm. The alumina coating on the white metal oxide pigment can form an alumina-coated pigment where the alumina coating is predominantly alumina, and the white metal oxide pigment content to alumina content can be from 99:1 to 9:1 by weight.

IPC 8 full level
C09D 11/322 (2014.01); **C09C 3/00** (2006.01); **C09C 3/06** (2006.01); **C09C 3/10** (2006.01); **C09D 11/106** (2014.01); **C09D 11/326** (2014.01); **C09D 11/54** (2014.01)

CPC (source: EP US)
C09C 1/3661 (2013.01 - US); **C09C 3/006** (2013.01 - EP US); **C09C 3/063** (2013.01 - EP US); **C09C 3/10** (2013.01 - EP US); **C09D 11/037** (2013.01 - US); **C09D 11/102** (2013.01 - US); **C09D 11/106** (2013.01 - EP US); **C09D 11/107** (2013.01 - US); **C09D 11/322** (2013.01 - EP US); **C09D 11/326** (2013.01 - EP US); **C09D 11/54** (2013.01 - EP US); **C01P 2004/61** (2013.01 - US); **C01P 2004/62** (2013.01 - EP US); **C01P 2004/84** (2013.01 - US)

Citation (search report)
• [XAI] EP 1784462 A1 20070516 - DU PONT [US]
• [XAI] US 2007060670 A1 20070315 - ELLIS SCOTT W [US]
• See references of WO 2017014746A1

Cited by
WO2019152579A1; EP3746300B1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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WO 2017014746 A1 20170126; CN 107636086 A 20180126; CN 107636086 B 20210402; EP 3265522 A1 20180110; EP 3265522 A4 20180124; EP 3265522 B1 20191002; US 10465085 B2 20191105; US 2018105714 A1 20180419

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US 2015041176 W 20150720; CN 201580079499 A 20150720; EP 15899068 A 20150720; US 201515562618 A 20150720